FIG.1

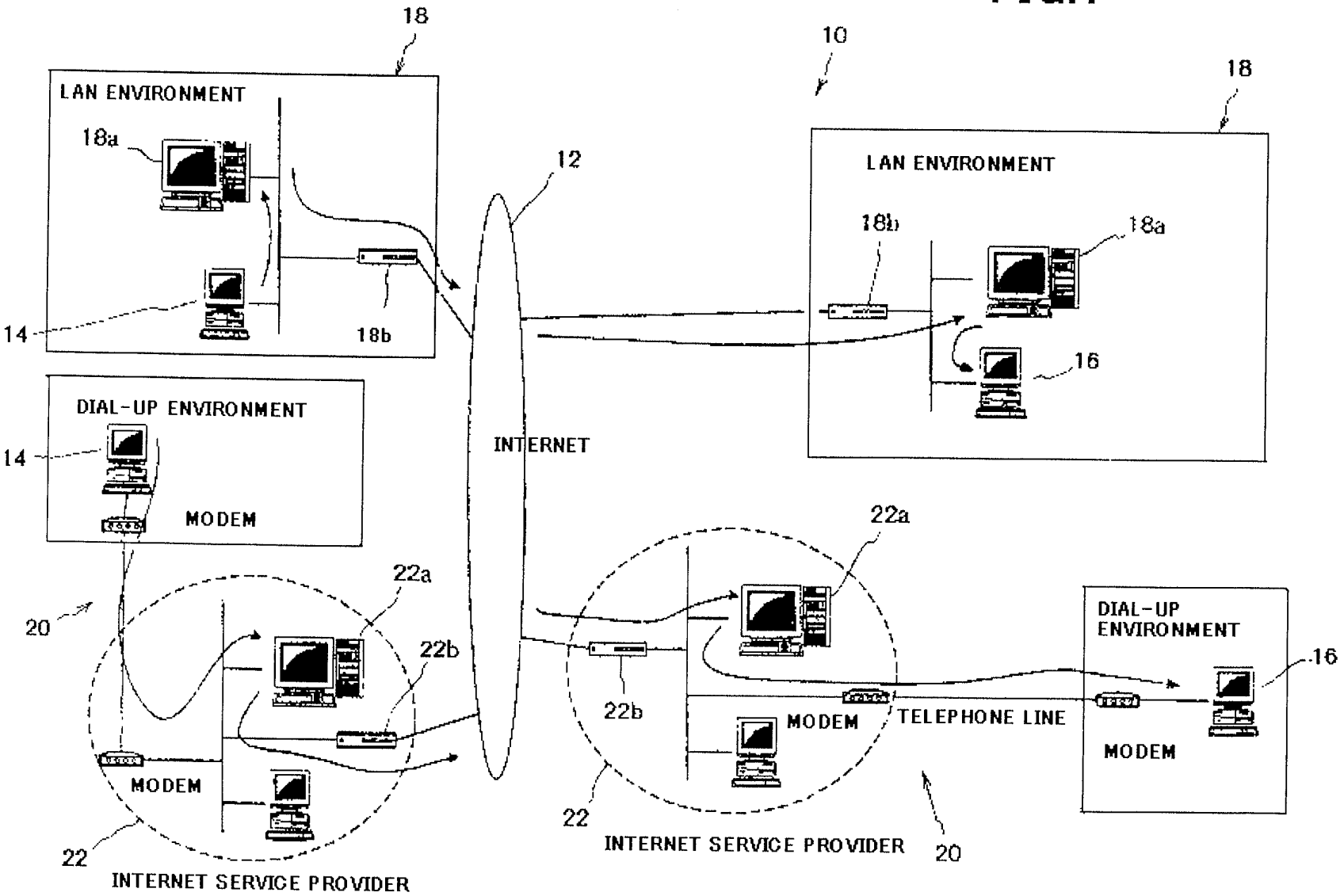

18
LAN ENVIRONMENT
18a
18b
14
12
10
18
LAN ENVIRONMENT
18b
18a
16
DIAL-UP ENVIRONMENT
14
MODEM
INTERNET
22a
20
22b
MODEM
22
INTERNET SERVICE PROVIDER
22a
22b
MODEM
TELEPHONE LINE
22
INTERNET SERVICE PROVIDER
20
DIAL-UP ENVIRONMENT
16
MODEM

FIG.2

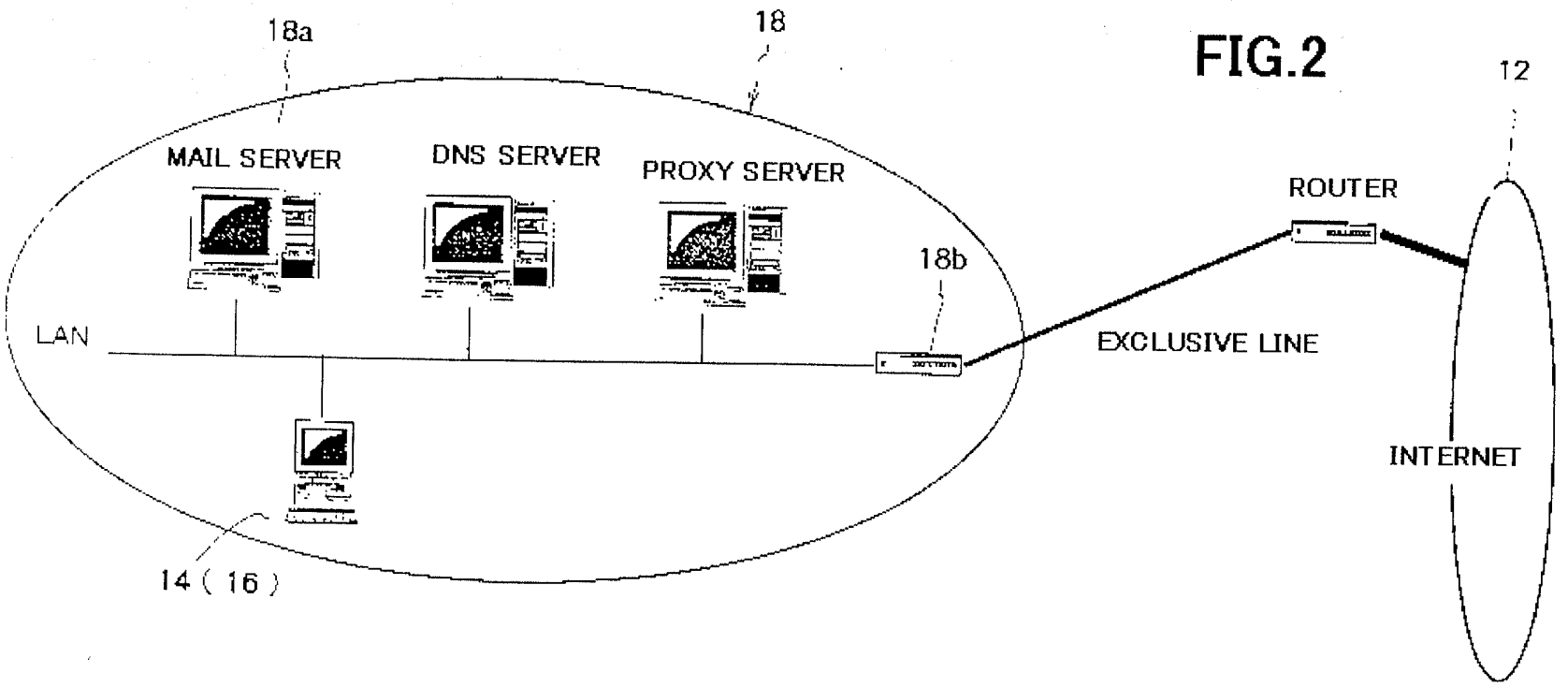
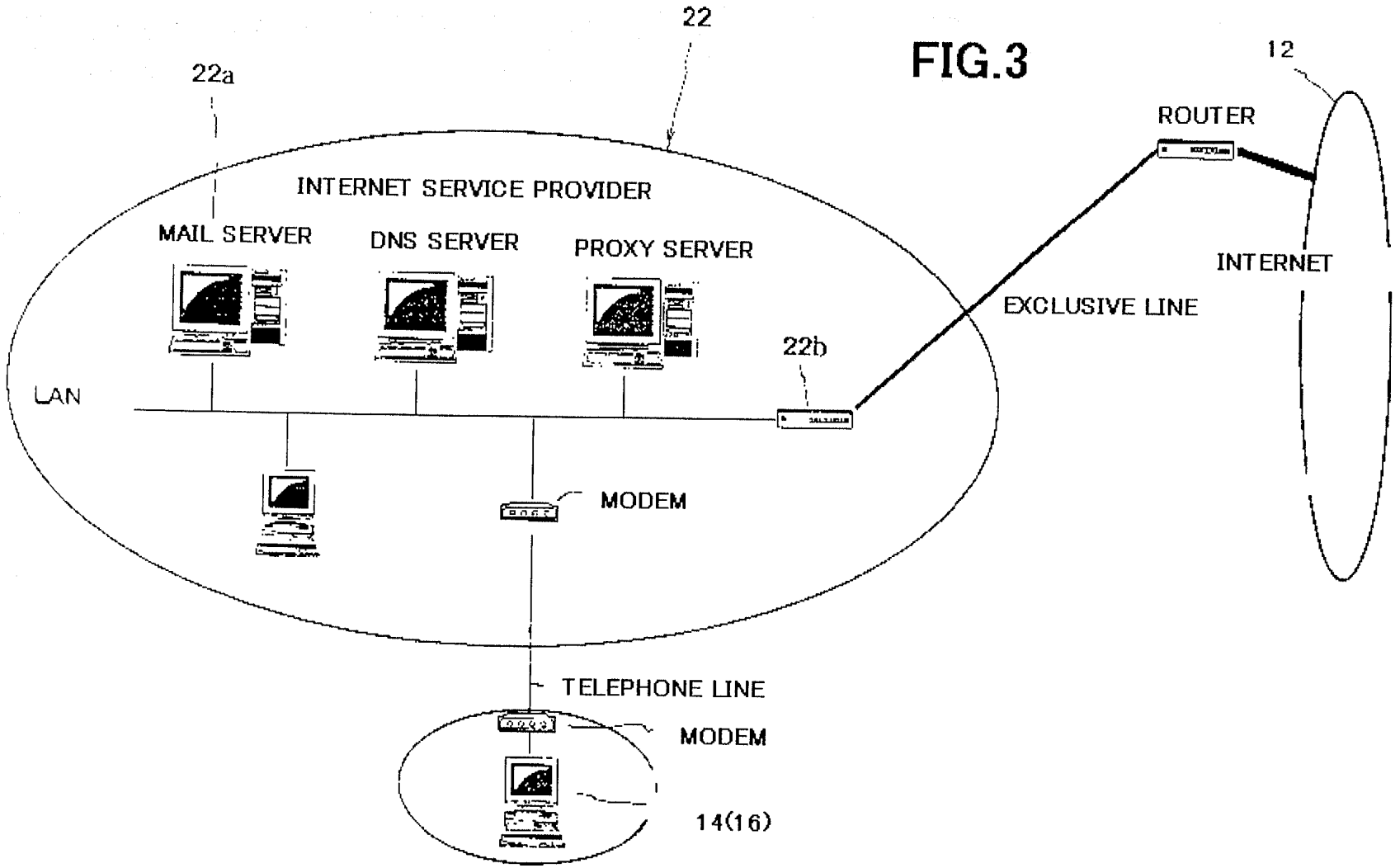

18a
18
MAIL SERVER
DNS SERVER
PROXY SERVER
18b
LAN
14 (16)
ROUTER
12
EXCLUSIVE LINE
INTERNET

FIG.3


22
22a
12
ROUTER
INTERNET SERVICE PROVIDER
MAIL SERVER
DNS SERVER
PROXY SERVER
INTERNET
EXCLUSIVE LINE
22b
LAN
MODEM
TELEPHONE LINE
MODEM
14(16)

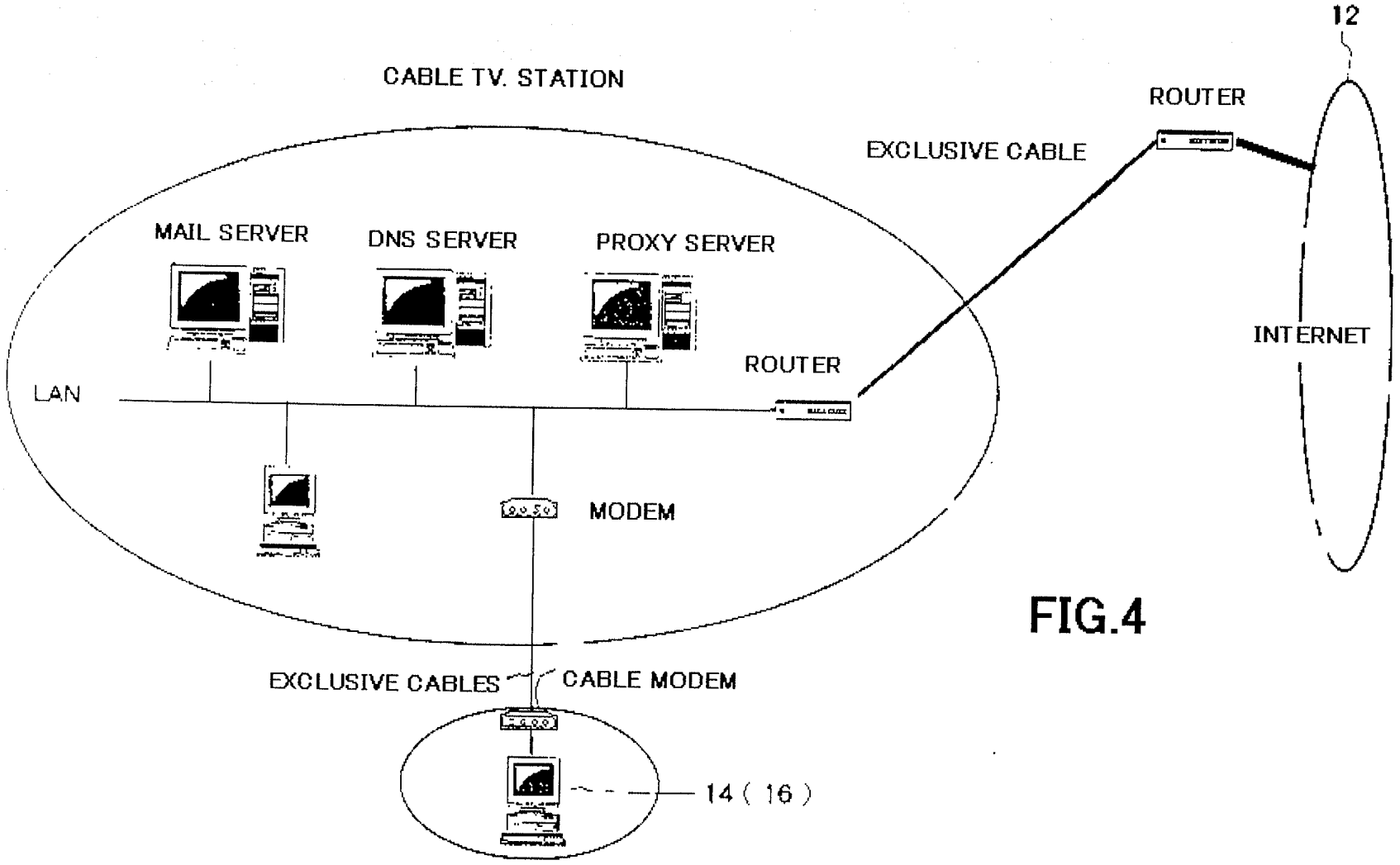

12
CABLE TV. STATION
ROUTER
EXCLUSIVE CABLE
MAIL SERVER
DNS SERVER
PROXY SERVER
INTERNET
ROUTER
LAN
MODEM
EXCLUSIVE CABLES
CABLE MODEM
14 (16)

FIG.4

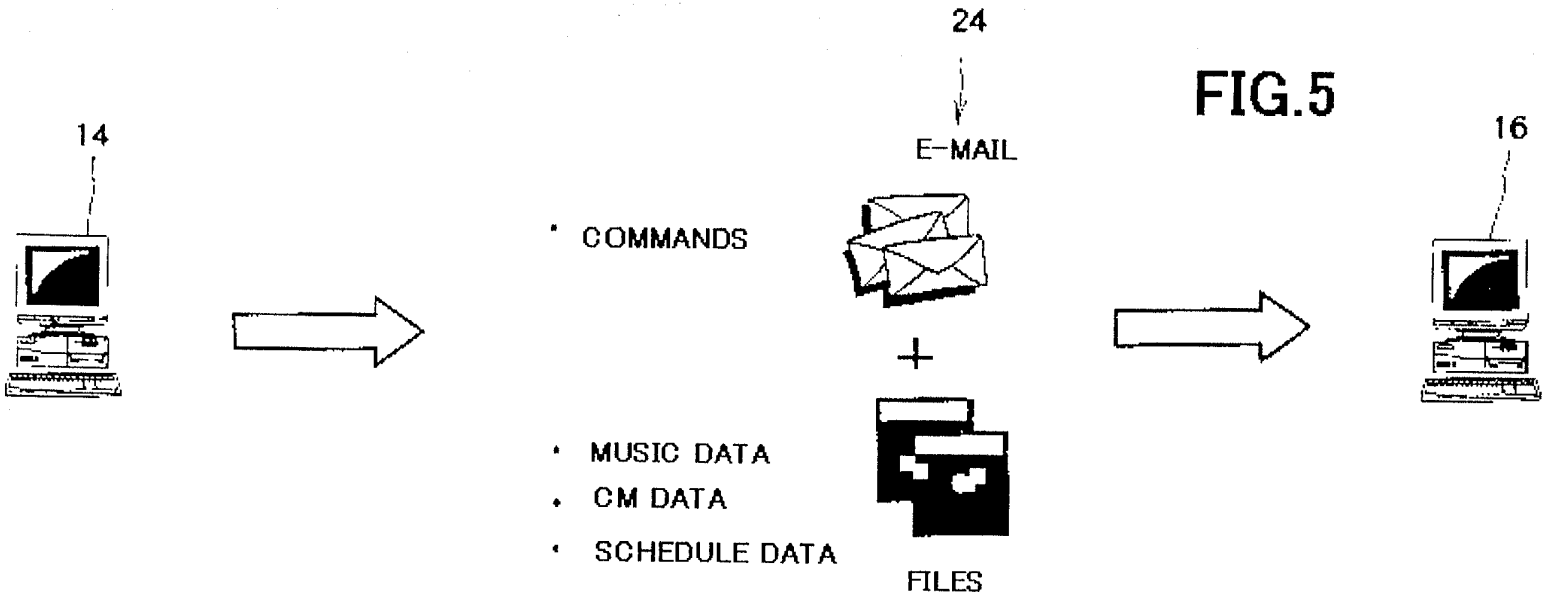

24
E-MAIL
14
16
• COMMANDS
+
• MUSIC DATA
• CM DATA
• SCHEDULE DATA
FILES

FIG.5

FIG.6

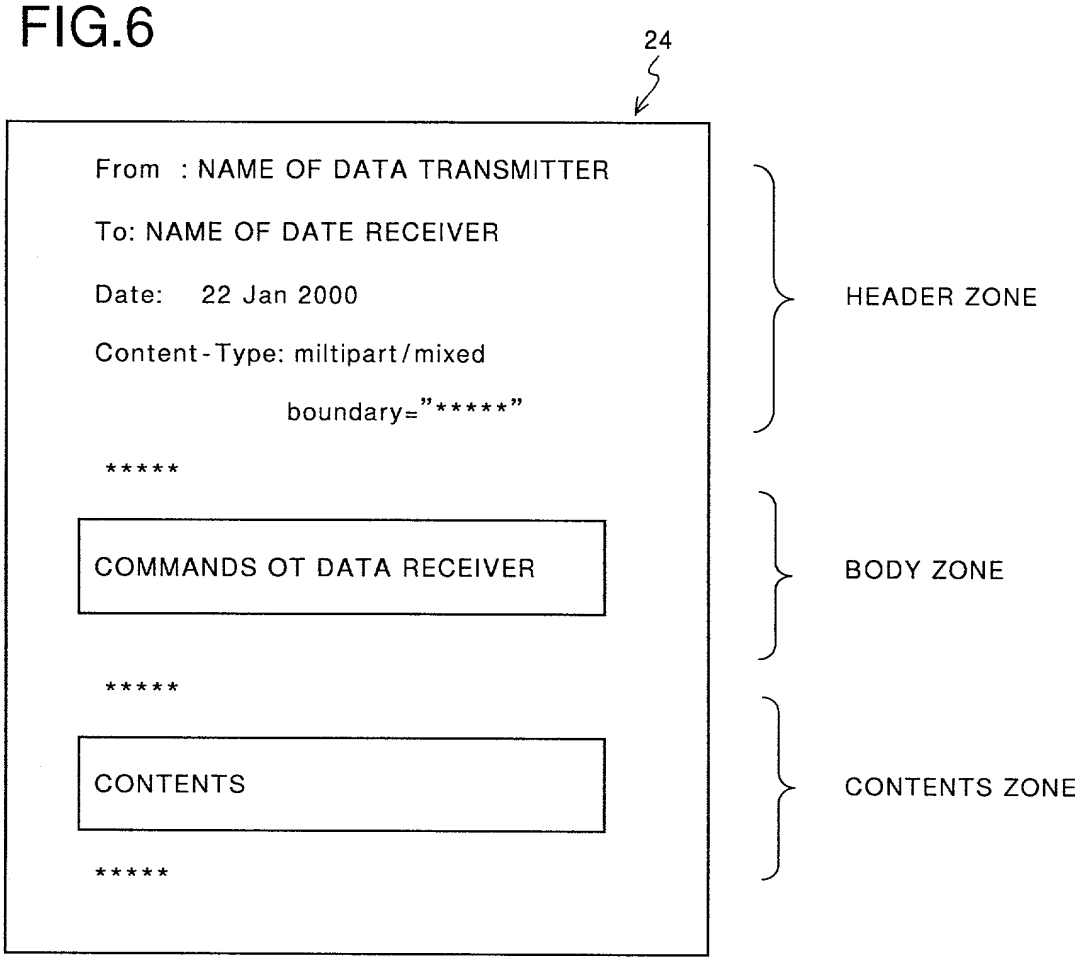

24
From : NAME OF DATA TRANSMITTER
To: NAME OF DATE RECEIVER
Date: 22 Jan 2000
Content-Type: miltipart/mixed
boundary="*****"
*****
COMMANDS OT DATA RECEIVER
*****
CONTENTS
*****
HEADER ZONE
BODY ZONE
CONTENTS ZONE

FIG.7

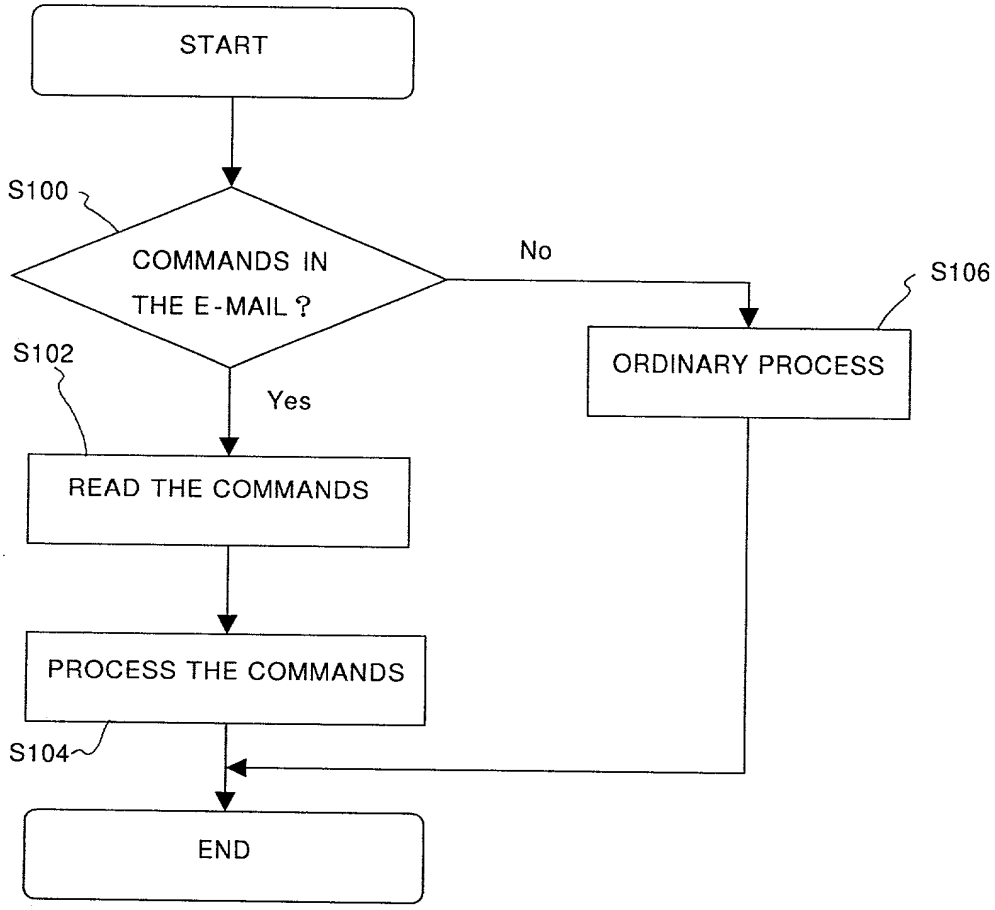

START
S100
COMMANDS IN THE E-MAIL ?
No
S106
ORDINARY PROCESS
S102
Yes
READ THE COMMANDS
PROCESS THE COMMANDS
S104
END

FIG. 8

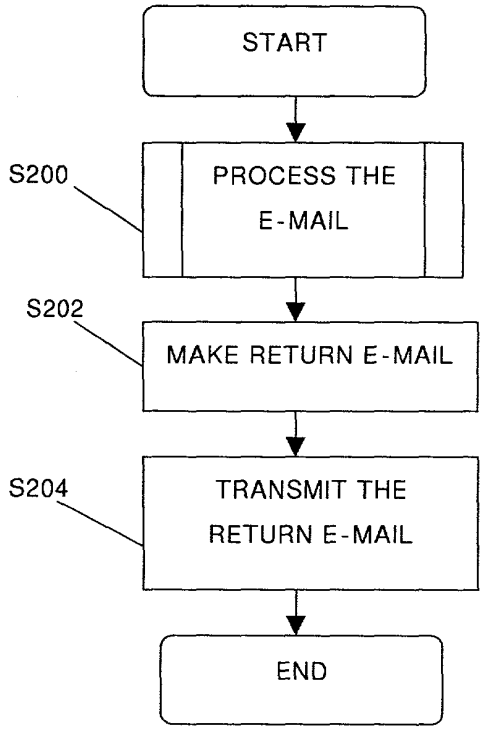

START
S200
PROCESS THE E-MAIL
S202
MAKE RETURN E-MAIL
S204
TRANSMIT THE RETURN E-MAIL
END

FIG. 13

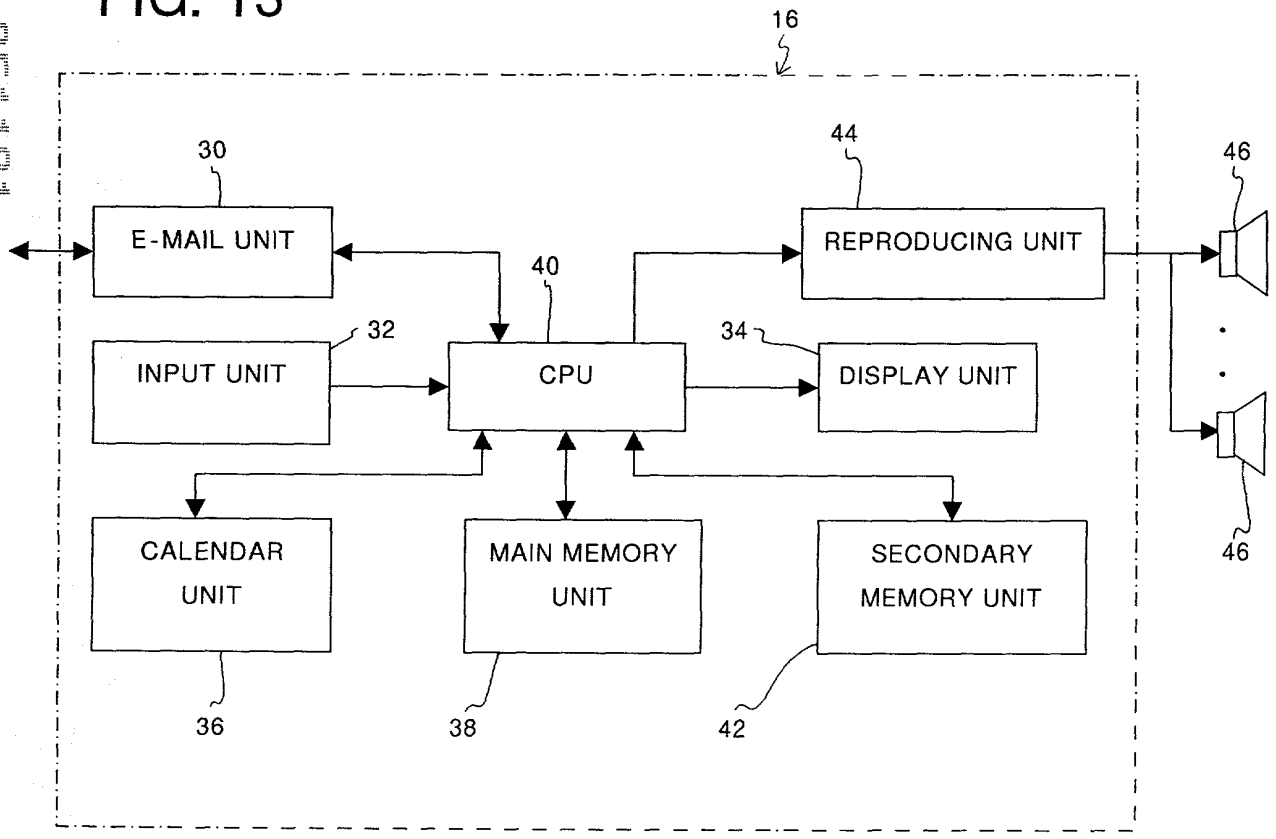
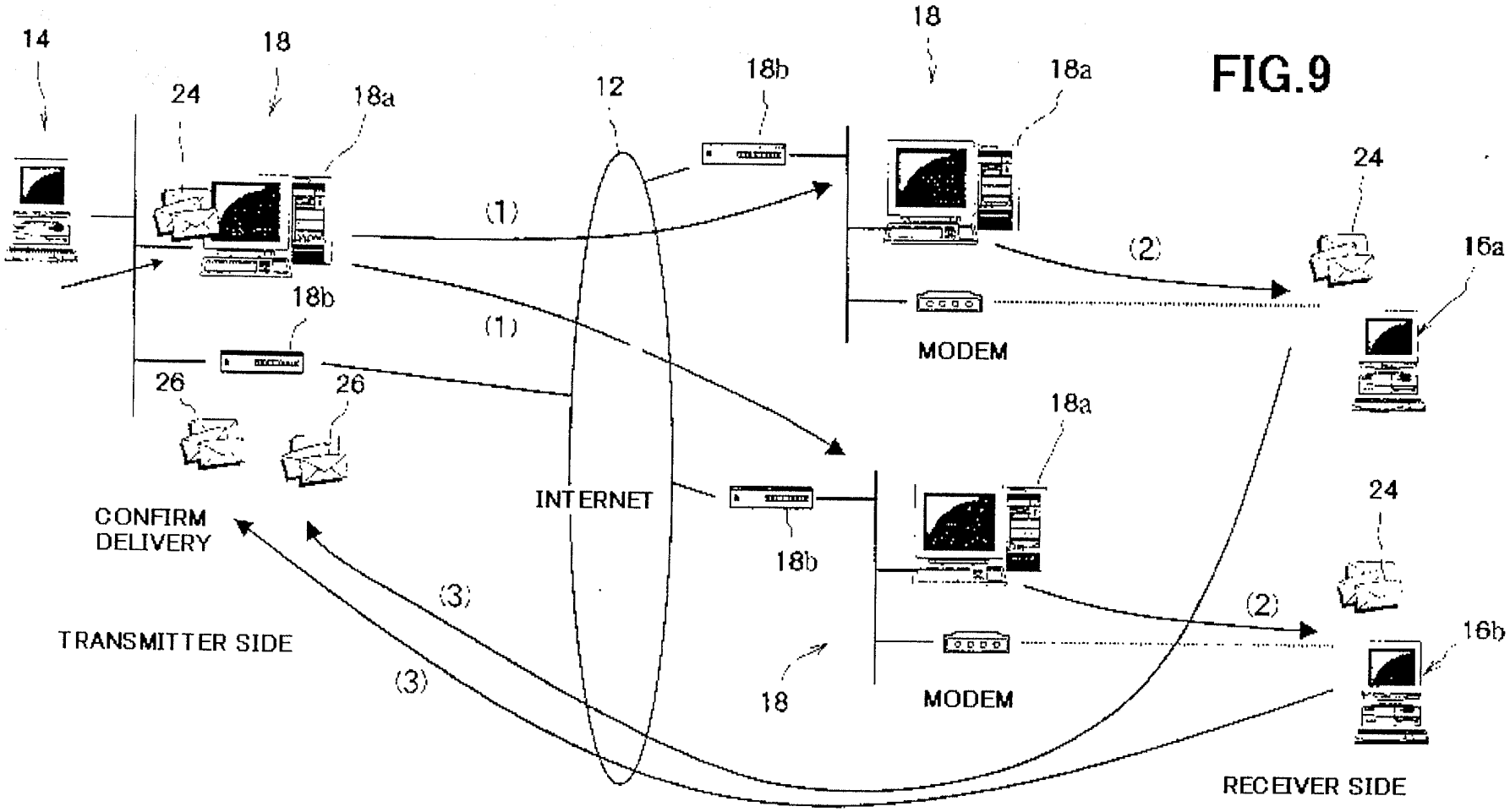

16
30
E-MAIL UNIT
44
REPRODUCING UNIT
46
40
32
INPUT UNIT
CPU
34
DISPLAY UNIT
CALENDAR UNIT
MAIN MEMORY UNIT
SECONDARY MEMORY UNIT
36
38
42
46

FIG.9


14
18
24
18a
12
18b
18
18a
24
16a
(1)
(2)
18b
MODEM
(1)
26
26
18a
INTERNET
24
CONFIRM
DELIVERY
18b
(3)
(2)
16b
TRANSMITTER SIDE
(3)
18
MODEM
RECEIVER SIDE

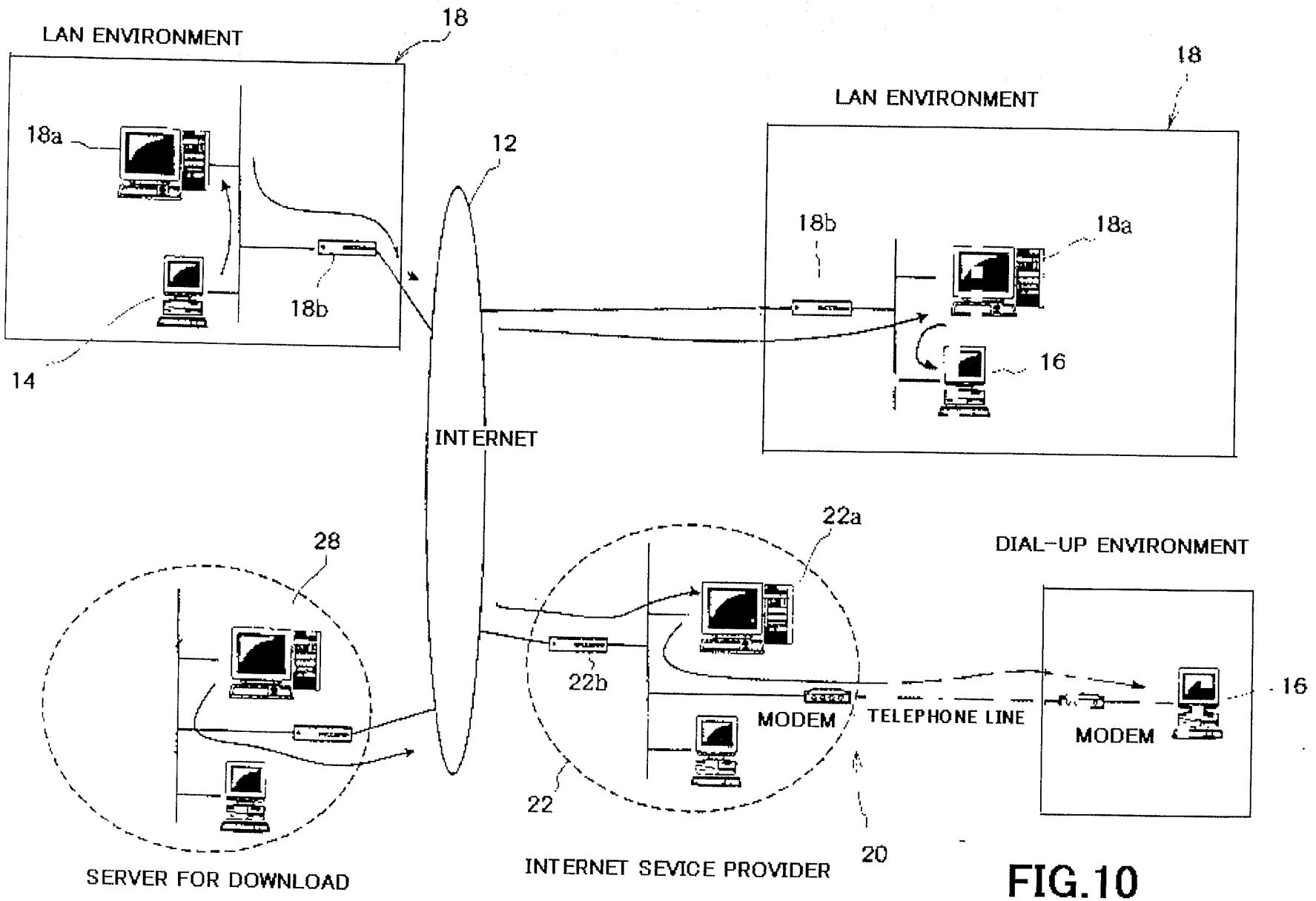
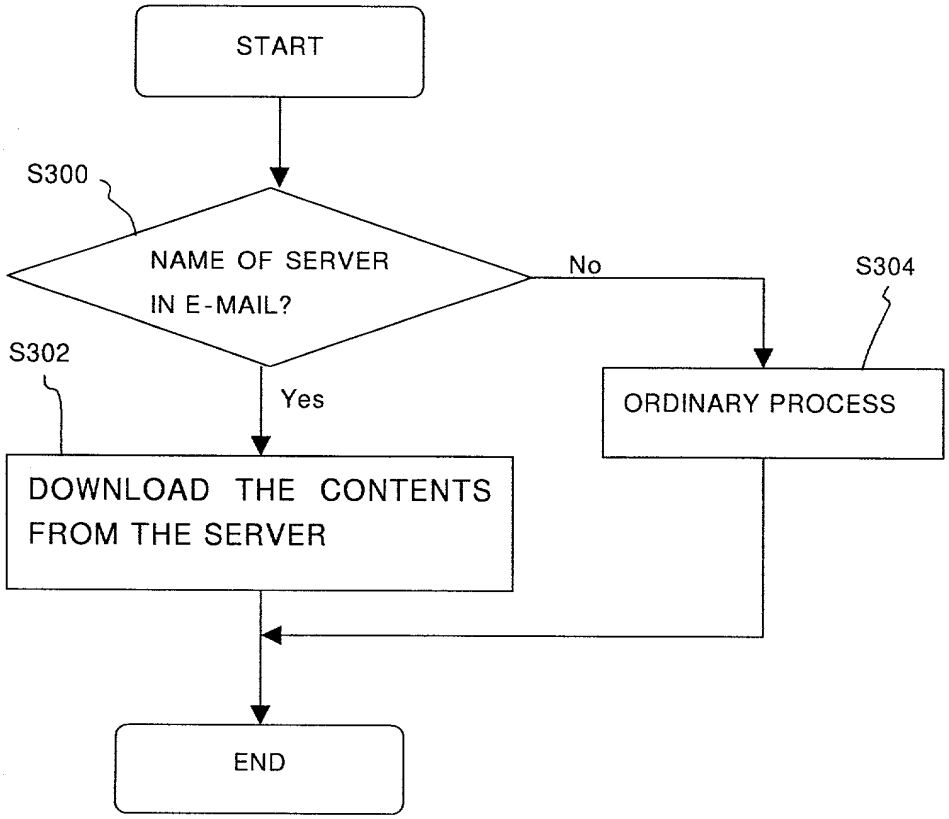

LAN ENVIRONMENT
18
18a
18b
14
12
INTERNET
LAN ENVIRONMENT
18
18b
18a
16
28
22a
DIAL-UP ENVIRONMENT
22b
MODEM
TELEPHONE LINE
MODEM
16
22
20
SERVER FOR DOWNLOAD
INTERNET SEVICE PROVIDER

FIG.10

FIG.11



0950805-050402

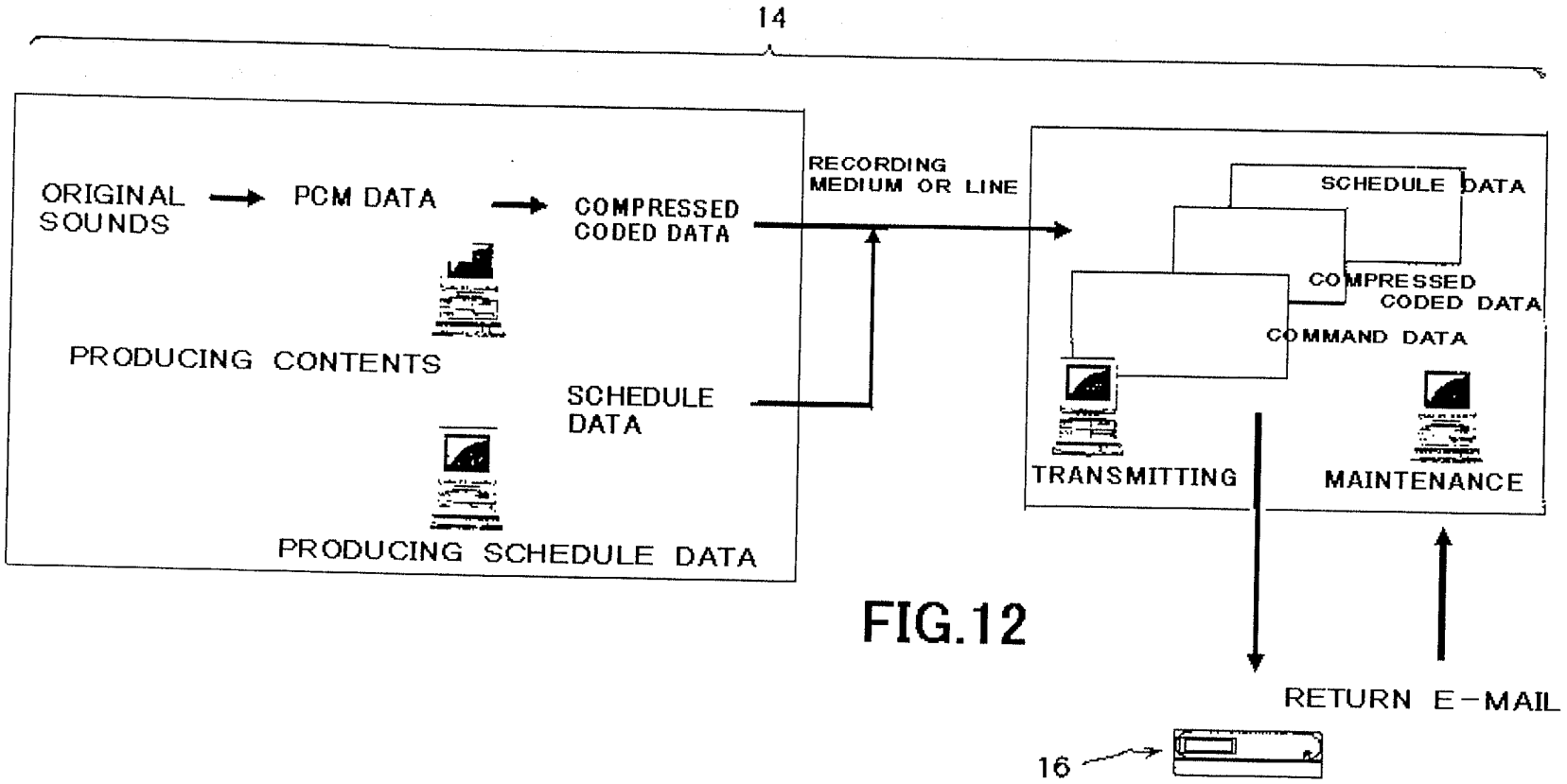
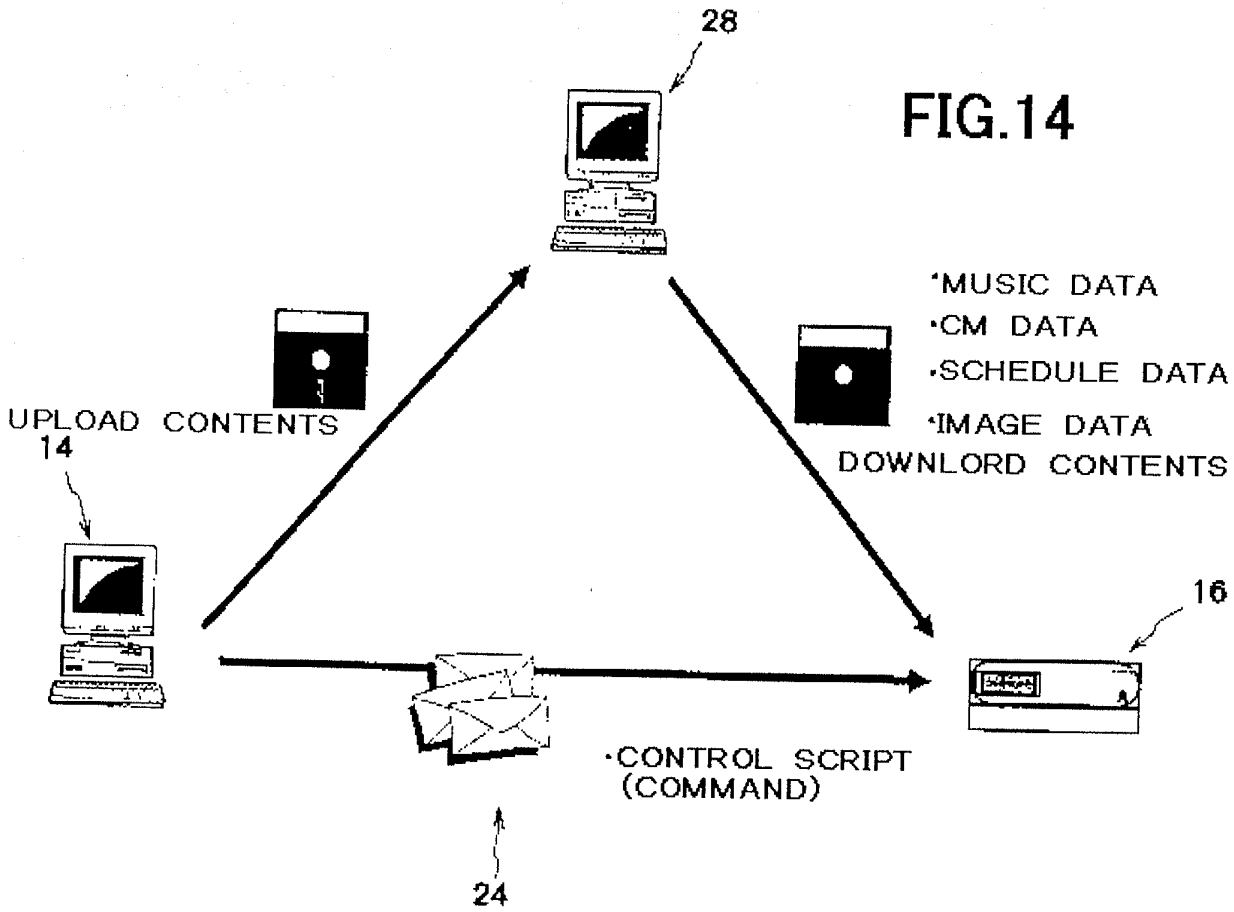

14
ORIGINAL SOUNDS
PCM DATA
COMPRESSED CODED DATA
PRODUCING CONTENTS
SCHEDULE DATA
PRODUCING SCHEDULE DATA
RECORDING MEDIUM OR LINE
SCHEDULE DATA
COMPRESSED CODED DATA
COMMAND DATA
TRANSMITTING
MAINTENANCE
RETURN E-MAIL
16

FIG.12

FIG.14


28
UPLOAD CONTENTS
14
·MUSIC DATA
·CM DATA
·SCHEDULE DATA
·IMAGE DATA
DOWNLORD CONTENTS
16
·CONTROL SCRIPT
(COMMAND)
24

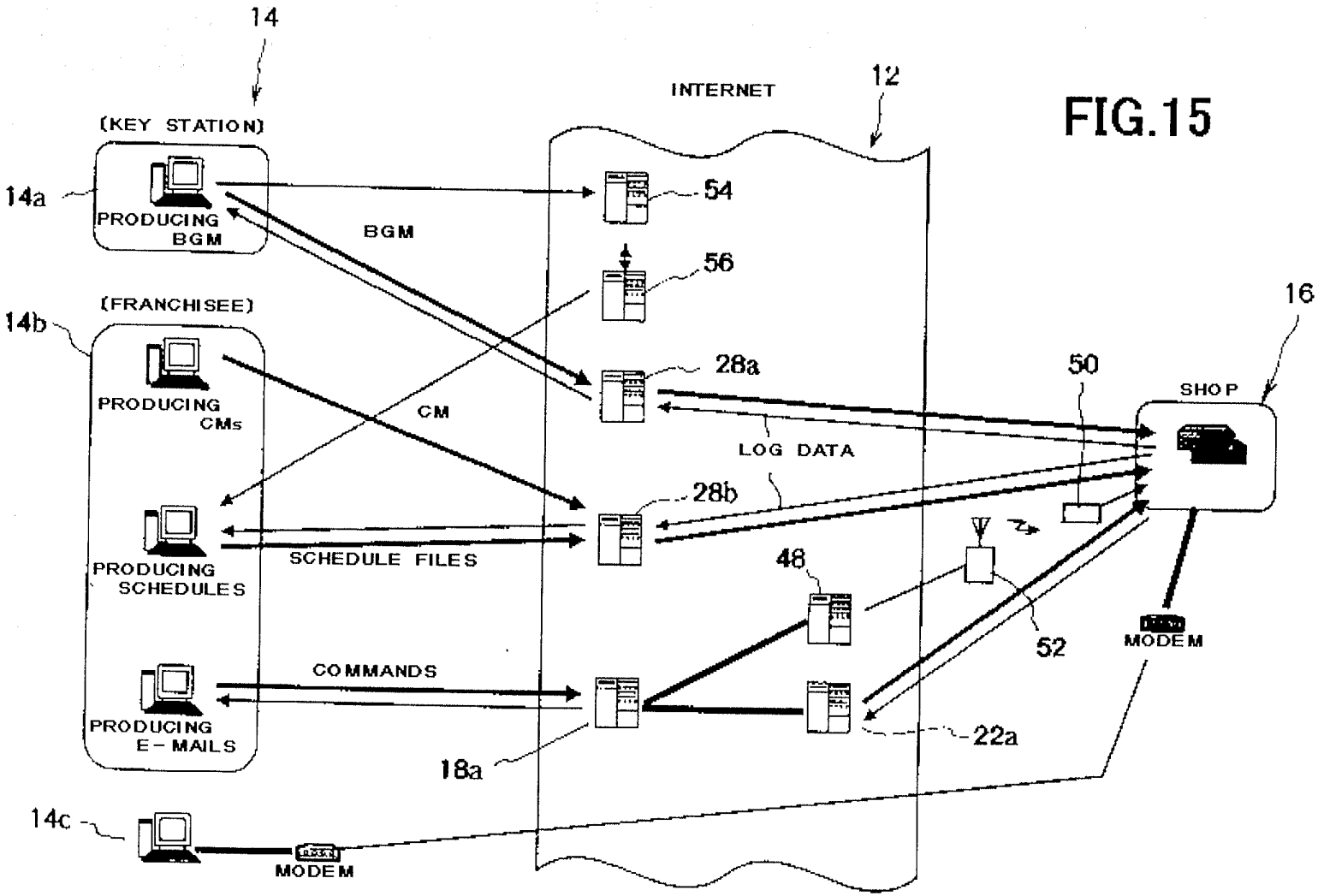

14
(KEY STATION)
14a
PRODUCING BGM
BGM
INTERNET
12
54
56
(FRANCHISEE)
14b
PRODUCING CMs
CM
28a
50
SHOP
16
LOG DATA
28b
PRODUCING SCHEDULES
SCHEDULE FILES
48
52
MODEM
COMMANDS
PRODUCING E-MAILS
22a
18a
14c
MODEM

FIG.15